



# Manufacturers' Shipments, Inventories, and Orders

September 1988

U.S. Department of Commerce  
BUREAU OF THE CENSUS

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(All Figures in text are in seasonally adjusted current dollars)

## Summary

New orders for manufactured goods in September declined \$4.4 billion or 1.9 percent from August to \$222.6 billion. Most of the decline was in the durable goods sector, down \$3.9 billion or 3.2 percent. Orders for durables had earlier been reported down 4.1 percent. Orders for nondurables were down 0.5 percent.

Shipments of manufactured goods in September were down slightly, decreasing \$0.3 billion or 0.1 percent to \$221.4 billion. Shipments for durables goods were unchanged from August at \$117.8 billion, revising the earlier reported 0.8 percent decline. Shipments of nondurables were down 0.3 percent.

Manufacturers' unfilled orders in September increased \$1.2 billion or 0.3 percent to \$453.0 billion. Virtually all of the increase was in durables.

Manufacturers' inventories in September increased \$2.1 billion or 0.6 percent to \$347.9 billion. Although inventories have shown a relatively strong upward trend since April 1987, the inventory to shipments ratio has been edging down. In April 1987 the ratio was 1.63; the ratio for September this year was 1.57.

## New Orders

Most of the \$3.9 billion decline in new orders for durable goods was in transportation equipment, down \$3.4 billion or 9.8 percent to \$31.3 billion. The decline resulted mostly from decreases in aircraft and parts, down \$1.4 billion and shipbuilding and tanks, also down \$1.4 billion. Nonelectrical machinery was down \$1.2 billion or 5.3 percent to \$21.6 billion; most of the decline was in office and computing equipment down \$1.0 billion or 15.6 percent to \$5.3 billion. The largest increases in orders were in primary metals, up \$0.7 billion or 6.1 percent to \$12.5 billion and fabricated metals, up \$0.4 billion or 3.6 percent to \$12.1 billion.

The pattern of change in nondurable goods orders was mixed, with the largest declines in chemicals and petroleum products and the largest increases in tobacco and textiles.

## Shipments

Although total durable goods shipments in September showed little change from August, transportation equipment declined \$0.8 billion or 2.6 percent to \$29.9 billion. Nonelectrical machinery also declined, down \$0.2 billion or 0.9 percent to \$21.3 billion. Most of the other major industries had increases for the month.

Shipments of nondurables showed a similar pattern. Declines in chemicals of \$0.6 billion or 2.7 percent and petroleum products of \$0.3 billion or 2.6 percent were nearly offset by increases in most of the other categories.

## Unfilled Orders

The increase in manufacturers' unfilled orders of \$1.2 billion was virtually all in durables. Transportation equipment increased \$1.4 billion or 0.7 percent to \$199.4 billion. Aircraft and parts increased \$2.1 billion or 1.3 percent to \$165.1 billion; the order backlog for this industry has increased nearly 10 percent over the last six months.

The largest decline in unfilled orders in September was in electrical machinery, down \$0.8 billion or 0.9 percent to \$92.4 billion; most of the decline was in defense communication equipment.

## Inventories

The increase of \$2.1 billion in inventories was mostly for durable goods, up \$1.8 billion or 0.8 percent to \$228.4 billion. Nonelectrical machinery was up \$0.8 billion or 1.8 percent. Nondurable inventories were up \$0.3 billion or 0.3 percent, with the largest increase in rubber and plastics.

Inventories by stage of fabrication showed increases in materials and supplies of 0.6 percent and finished goods of 1.0 percent, with both the durable and nondurable sectors increasing. Work in process inventories increased 0.2 percent, with an increase in durables more than offsetting a decline in nondurables.

**SCHEDULED RELEASE DATES.** The advance report on durable goods for October is scheduled for November 23, 1988 at 8:30 a.m. and the full report on December 2, 1988 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This press release is also available on the day of issue through the Census Bureau's online information service - CENDATA. The online version of the report can be read from a terminal screen, printed on- or off-line, or copied to a computer file for future use. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA Staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance, or write for a brochure to CENDATA, DUSD, Bureau of the Census, Washington, DC 20233

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)														
SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>						
		Monthly			Percent change			Monthly				Percent change Sept. 88/87	Year to date	
		Sept. 1988P	Aug. 1988P	July 1988	Aug.- Sept.P	July- Aug.P	June- July	Sept. 1988P	Aug. 1988P	July 1988P	Sept. 1987		1988P	1987
	All manufacturing industries	221,405	221,715	216,698	-0.1	+2.3	-1.0	234,533	217,031	199,670	215,590	+8.8	1,933,326	1,772,383
	Manufacturing industries with unfilled orders.....	123,774	122,913	119,557	+0.7	+2.8	-1.1	131,894	119,743	108,677	120,046	+9.9	1,068,041	970,148
	Durable goods industries.....	117,828	117,866	113,122	0.0	+4.2	-2.9	124,836	112,493	101,393	114,346	+9.2	1,024,265	934,967
	With unfilled orders.....	97,445	96,678	93,594	+0.8	+3.3	-1.7	104,080	93,099	84,419	94,483	+10.2	837,733	757,879
32	Stone, clay, and glass products.....	5,411	5,435	5,115	-0.4	+6.3	-3.6	5,864	5,653	4,999	5,629	+4.2	47,989	46,163
33	Primary metals.....	12,273	11,990	11,667	+2.4	+2.8	-4.4	12,561	11,930	10,728	10,517	+19.4	105,425	84,923
331	Blast furnaces, steel mills....	5,172	5,091	5,032	+1.6	+1.2	-2.5	5,172	4,978	4,641	4,520	+14.4	45,961	36,692
332	Iron and steel foundries.....	951	883	810	+7.7	+9.0	-6.4	932	892	715	801	+16.4	7,716	7,204
333-9	Nonferrous and other primary metals.....	6,150	6,016	5,825	+2.2	+3.3	-5.7	6,457	6,060	5,372	5,196	+24.3	51,748	41,027
34	Fabricated metal products.....	12,102	11,870	11,519	+2.0	+3.0	-7.1	12,755	11,845	10,832	11,617	+9.8	107,421	102,161
35	Machinery, except electrical....	21,288	21,488	20,749	-0.9	+3.6	-1.2	23,108	19,565	18,553	20,402	+13.3	182,498	159,286
351	Engines and turbines.....	1,431	1,483	1,286	-3.5	+15.3	+0.8	1,476	1,362	1,117	1,300	+13.5	11,697	10,397
353	Construction, mining, and material handling equipment..	2,552	2,569	2,605	-0.7	-1.4	+4.2	2,552	2,310	2,727	2,359	+8.2	22,555	18,835
354	Metalworking machinery.....	951	1,034	990	-8.0	+4.4	+8.0	1,056	897	817	939	+12.5	8,185	6,899
357	Office and computing machines..	5,799	5,850	5,779	-0.9	+1.2	-2.0	7,365	5,227	4,533	6,687	+10.1	49,357	44,163
36	Electrical machinery.....	19,302	19,131	19,019	+0.9	+0.6	+1.5	21,109	18,845	16,961	19,690	+7.2	167,416	154,790
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	2,319	2,292	2,296	+1.2	-0.2	+2.0	2,560	2,231	2,021	2,462	+4.0	20,327	19,279
363	Household appliances.....	1,552	1,564	1,482	-0.8	+5.5	+0.3	1,723	1,635	1,458	1,610	+7.0	13,786	13,701
365	Radio and TV.....	1,065	1,060	895	+0.5	+18.4	+5.3	1,342	1,066	773	1,260	+6.5	8,298	8,362
366	Communication equipment.....	6,257	6,114	6,296	+2.3	-2.9	0.0	6,802	5,934	5,416	6,568	+3.6	54,418	51,711
367	Electronic components.....	4,748	4,654	4,772	+2.0	-2.5	+3.4	4,985	4,632	4,420	4,264	+16.9	41,014	34,620
364,9	Other electrical machinery....	3,361	3,447	3,278	-2.5	+5.2	+0.9	3,697	3,347	2,873	3,526	+4.8	29,573	27,117
37	Transportation equipment.....	29,882	30,683	27,252	-2.6	+12.6	-6.9	30,573	27,100	22,550	28,173	+8.5	256,021	239,716
371	Motor vehicles and parts.....	18,622	19,349	16,380	-3.8	+18.1	-10.8	19,141	16,616	12,605	16,713	+14.5	159,825	147,558
372,6	Aircraft, missiles, and parts..	9,063	9,257	8,934	-2.1	+3.6	+1.8	9,262	8,454	8,083	9,468	-2.2	77,652	75,426
3731,95	Shipbuilding and military tank vehicles.....	933	799	833	+16.8	-4.1	+1.1	941	805	799	845	+11.4	7,561	7,377
38	Instruments and related products	6,114	6,048	6,293	+1.1	-3.9	+3.6	6,512	5,900	5,895	6,144	+6.0	53,849	49,469
381-4	Scientific and engineering instruments.....	4,158	4,122	4,280	+0.9	-3.7	+5.4	4,366	4,090	3,956	4,107	+6.3	36,556	33,200
386	Photographic goods.....	1,796	1,773	1,849	+1.3	-4.1	+0.1	1,976	1,660	1,782	1,826	+8.2	15,716	14,518
24,25, 39	All other durable goods.....	11,456	11,221	11,508	+2.1	-2.5	-0.2	12,354	11,655	10,875	12,174	+1.5	103,646	98,459
	Nondurable goods industries.....	103,577	103,849	103,576	-0.3	+0.3	+1.2	109,697	104,538	98,277	101,244	+8.3	909,061	837,416
	With unfilled orders.....	26,329	26,235	25,963	+0.4	+1.0	+1.0	27,814	26,644	24,584	25,563	+8.8	230,308	212,269
20	Food and kindred products.....	30,376	30,265	30,484	+0.4	-0.7	+1.4	32,558	29,913	29,479	29,193	+11.5	264,267	241,496
202	Dairy products.....	4,190	4,130	4,067	+1.5	+1.5	-0.7	4,274	4,146	4,115	4,048	+5.6	36,528	35,311
208	Beverages.....	4,002	4,024	4,000	-0.5	+0.6	+0.1	4,082	4,308	4,278	3,773	+8.2	36,281	34,282
203-6,9	All other foods.....	14,195	14,173	14,199	+0.2	-0.2	+2.5	15,898	13,351	12,869	13,442	+18.3	120,906	104,392
21	Tobacco products.....	2,028	1,846	1,663	+9.9	+11.0	+1.0	2,353	1,771	1,275	2,092	+12.5	15,836	14,224
22	Textile mill products.....	5,053	4,956	4,919	+2.0	+0.8	-1.6	5,603	5,186	4,256	5,343	+4.9	44,196	42,996
221-4,6, 8,9	Broadwoven fabrics.....	3,053	3,050	2,995	+0.1	+1.8	-1.5	3,419	3,126	2,472	3,373	+1.4	27,188	26,622
26	Paper and allied products.....	10,670	10,575	10,485	+0.9	+0.9	+1.2	10,939	10,639	10,076	9,670	+13.1	92,716	81,742
261-3,6	Pulp, paper etc.....	4,699	4,709	4,703	-0.2	+0.1	+3.4	4,703	4,702	4,519	4,017	+17.1	41,033	34,622
265	Paperboard containers.....	2,692	2,643	2,564	+1.9	+3.1	-1.2	2,800	2,705	2,451	2,414	+16.0	22,818	19,932
264	All other paper products.....	3,279	3,223	3,218	+1.7	+0.2	+0.1	3,436	3,232	3,106	3,239	+6.1	28,865	27,188
28	Chemicals and allied products..	20,123	20,680	20,478	-2.7	+1.0	+2.9	21,091	20,342	18,748	19,064	+10.6	179,746	159,272
281,6	Industrial chemicals, except pigments.....	5,726	5,750	5,961	-0.4	-3.5	+7.9	5,841	5,647	5,677	5,105	+14.4	50,135	44,464
283,4	Drugs, soaps, and toiletries..	5,941	6,506	5,846	-8.7	+11.3	-0.8	7,010	6,578	5,194	6,750	+3.9	54,455	50,308
282,9	Other chemical products.....	5,435	5,454	5,453	-0.3	0.0	-0.9	5,544	5,454	5,131	5,115	+8.4	48,284	43,302
29	Petroleum and coal products....	10,277	10,546	10,787	-2.6	-2.2	+0.7	10,385	10,966	10,977	10,952	-5.2	93,325	92,604
30	Rubber and plastics products....	7,853	7,894	7,468	-0.5	+5.7	-0.1	8,132	7,707	6,935	7,003	+16.1	67,485	59,914
23,27, 31	All other nondurable goods.....	17,197	17,087	17,292	+0.6	-1.2	+0.4	18,636	18,014	16,531	17,927	+4.0	151,490	145,168
	Market categories:													
	Home goods and apparel.....	14,182	14,073	14,270	+0.8	-1.4	-0.2	16,139	15,319	13,233	15,925	+1.3	126,881	123,753
	Consumer staples.....	42,497	42,823	41,765	-0.8	+2.5	+0.5	46,246	42,492	39,540	42,181	+9.6	370,421	341,845
	Equipment and defense products, except automotive.....	37,018	36,507	36,557	+1.4	-0.1	+0.7	39,972	34,408	32,778	36,508	+9.5	318,505	286,582
	Automotive equipment.....	21,137	21,888	18,685	-3.4	+17.1	-10.1	21,752	19,179	14,846	19,019	+14.4	181,476	167,336
	Construction materials, supplies and intermediate products.....	17,059	16,963	16,646	+0.6	+1.9	-2.8	18,326	17,558	16,595	17,436	+5.1	153,729	143,917
	Other materials, supplies, and intermediate products.....	89,512	89,461	88,775	+0.1	+0.8	-0.1	92,098	88,075	82,678	84,521	+9.0	782,314	708,950
	Supplementary series:2													
	Capital goods industries.....	41,343	41,449	40,675	-0.3	+1.9	+0.3	44,584	38,777	36,453	41,878	+6.5	355,931	325,689
	Nondefense.....	32,517	32,414	32,012	+0.3	+1.3	+0.6	35,566	30,167	28,647	32,177	+10.5	278,928	245,638
	Excluding aircraft and parts	28,290	28,346	27,830	-0.2	+1.9	+0.3	31,195	26,615	24,868	28,272	+10.3	243,720	216,140
	Defense.....	8,826	9,035	8,663	-2.3	+4.3	-0.7	9,018	8,610	7,806	9,701	-7.0	77,003	80,051
	Household durable goods industries.....	6,529	6,571	6,424	-0.6	+2.3	+2.1	7,612	6,867	5,586	7,343	+3.7	58,403	56,425

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)														
SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>						Year to date
		Monthly			Percent change			Monthly				Percent change Sept. 88/87	1988P	1987
		Sept. 1988P	Aug. 1988P	July 1988	Aug.- Sept. P	July- Aug. P	June- July	Sept. 1988P	Aug. 1988P	July 1988	Sept. 1987			
	All manufacturing industries	222,619	227,009	219,877	-1.9	+3.2	-3.6	235,095	218,860	203,370	215,731	+9.0	1,967,335	1,798,022
	Manufacturing industries with unfilled orders.....	124,988	128,207	122,736	-2.5	+4.5	-5.7	132,456	121,572	112,377	120,187	+10.2	1,102,050	995,787
	Durable goods industries.....	118,888	122,806	116,112	-3.2	+5.8	-7.4	125,467	114,410	104,377	114,455	+9.6	1,056,794	956,088
	With unfilled orders.....	98,505	101,618	96,584	-3.1	+5.2	-7.2	104,711	95,016	87,403	94,592	+10.7	870,262	779,000
32	Stone, clay, and glass products.	5,389	5,520	5,234	-2.4	+5.5	-3.7	5,767	5,740	5,038	5,595	+3.1	48,766	46,485
33	Primary metals.....	12,508	11,794	12,103	+6.1	-2.6	-1.4	12,267	11,606	10,922	10,867	+12.9	106,666	88,635
331	Blast furnaces, steel mills...	5,412	4,788	5,085	+13.0	-5.8	-2.4	5,066	4,694	4,654	4,430	+14.4	45,422	38,570
332	Iron and steel foundries.....	966	909	862	+6.3	+5.5	-2.4	957	875	783	896	+6.8	7,982	7,314
333-9	Nonferrous and other primary metals.....	6,130	6,097	6,156	+0.5	-1.0	-0.4	6,244	6,037	5,485	5,541	+12.7	53,262	42,751
34	Fabricated metal products.....	12,055	11,638	11,471	+3.6	+1.5	-4.1	12,502	11,570	10,931	11,848	+5.5	106,389	103,394
35	Machinery, except electrical....	21,631	22,851	21,408	-5.3	+6.7	-2.8	22,993	21,222	19,127	20,485	+12.2	189,501	162,992
351	Engines and turbines.....	1,598	1,382	1,288	+15.6	+7.3	-13.7	1,653	1,395	1,188	1,418	+16.6	11,664	10,592
353	Construction, mining, and material handling equipment..	2,616	2,716	2,640	-3.7	+2.9	+0.4	2,609	2,375	2,821	2,469	+5.7	23,215	19,067
354	Metalworking machinery.....	1,033	1,135	1,105	-9.0	+2.7	-15.6	1,133	1,044	1,111	973	+16.4	9,926	7,051
357	Office and computing machines.	5,257	6,228	5,853	-15.6	+6.4	+0.3	6,478	5,753	4,505	6,335	+2.3	49,571	44,256
36	Electrical machinery.....	18,470	19,025	19,039	-2.9	-0.1	+3.1	20,822	17,997	16,734	20,591	+1.1	167,787	155,961
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	2,239	2,535	2,403	-11.7	+5.5	+8.0	2,457	2,500	2,142	2,588	-5.1	20,793	19,586
366	Communication equipment.....	5,434	5,914	6,219	-8.1	-4.9	+6.9	6,738	5,303	4,780	7,332	-8.1	52,486	51,357
367	Electronic components.....	4,837	4,430	4,690	+9.2	-5.5	-1.2	4,804	3,974	4,526	4,205	+14.2	42,057	35,610
364,9	Other electrical machinery....	3,331	3,493	3,274	-4.6	+6.7	-1.1	3,702	3,424	2,936	3,590	+3.1	30,128	27,366
37	Transportation equipment.....	31,303	34,707	29,239	-9.8	+18.7	-22.5	32,806	28,986	24,779	26,764	+22.6	278,868	247,601
372,6	Aircraft, missiles, and parts.	11,190	12,638	10,987	-11.5	+15.0	-14.4	11,882	10,854	9,786	8,772	+35.5	95,588	81,286
3731,95	Shipbuilding and military tank vehicles.....	-57	1,356	511	-104.2	+165.4	-90.3	417	224	847	341	+22.3	11,922	8,326
38	Instruments and related products	6,009	5,912	6,312	+1.6	-6.3	+3.6	6,332	5,735	6,054	6,335	0.0	54,119	50,605
381-4	Scientific and engineering instruments.....	4,010	3,995	4,355	+0.4	-8.3	+7.3	4,138	3,989	4,108	4,194	-1.3	36,752	33,898
24,25, 39	All other durable goods.....	11,523	11,359	11,306	+1.4	+0.5	-1.4	11,978	11,554	10,792	11,970	+0.1	104,698	100,415
	Nondurable goods industries.....	103,731	104,203	103,765	-0.5	+0.4	+1.1	109,628	104,450	98,993	101,276	+8.2	910,541	841,934
	With unfilled orders.....	26,483	26,589	26,152	-0.4	+1.7	+0.6	27,745	26,556	24,974	25,595	+8.4	231,788	216,787
	Market categories:													
	Home goods and apparel.....	14,365	14,170	14,007	+1.4	+1.2	-2.4	15,839	15,175	13,271	15,660	+1.1	128,300	126,516
	Consumer staples.....	42,500	42,871	41,895	-0.9	+2.3	+0.9	46,228	42,546	39,726	42,168	+9.6	370,612	341,738
	Equipment and defense products, except automotive.....	36,115	39,283	39,153	-8.1	+0.3	-11.5	40,171	35,173	34,826	37,133	+8.2	336,220	296,983
	Automotive equipment.....	21,208	21,725	18,681	-2.4	+16.3	-9.6	21,675	18,997	15,064	18,945	+14.4	180,883	167,925
	Construction materials, supplies and intermediate products.....	17,003	17,022	16,606	-0.1	+2.5	-3.9	18,072	17,602	16,489	17,198	+5.1	154,513	143,756
	Other materials, supplies, and intermediate products.....	91,428	91,938	89,535	-0.6	+2.7	-0.5	93,110	89,367	83,994	84,627	+10.0	796,807	721,104
	Supplementary series: <sup>2</sup>													
	Capital goods industries.....	41,964	46,845	43,208	-10.4	+8.4	-12.3	46,479	41,989	38,447	42,053	+10.5	383,407	338,206
	Nondefense.....	34,934	38,808	36,213	-10.0	+7.2	+2.1	37,728	36,812	32,662	31,979	+18.0	307,606	259,769
	Excluding aircraft and parts	28,738	30,528	28,983	-5.9	+5.3	+3.1	31,388	29,048	25,835	28,465	+10.3	252,598	221,201
	Defense.....	7,030	8,037	6,995	-12.5	+14.9	-49.4	8,751	5,177	5,785	10,074	-13.1	75,801	78,437
	Household durable goods industries.....	6,687	6,668	6,258	+0.3	+6.6	-1.0	7,373	6,756	5,525	7,071	+4.3	59,483	57,851

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<sup>1</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

<sup>2</sup> The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFULFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)												
SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>				Percent change
		End of month			Percent change			End of month				
		Sept. 1988P	Aug. 1988P	July 1988	Aug.- Sept. P	July- Aug. P	June- July	Sept. 1988P	Aug. 1988P	July 1988	Sept. 1987	
	All manufacturing industries.....	453,044	451,830	446,536	+0.3	+1.2	+0.7	450,007	449,445	447,616	408,085	+10.3
	Durable goods industries.....	432,152	431,092	426,152	+0.2	+1.2	+0.7	429,092	428,461	426,544	387,940	+10.6
32	Stone, clay, and glass products.....	5,909	5,931	5,846	-0.4	+1.5	+2.1	5,854	5,951	5,864	5,389	+8.6
33	Primary metals.....	25,487	25,252	25,448	+0.9	-0.8	+1.7	24,419	24,713	25,037	21,392	+14.2
331	Blast furnaces, steel mills.....	11,581	11,341	11,644	+2.1	-2.6	+0.5	10,886	10,992	11,276	10,391	+4.8
332	Iron and steel foundries.....	2,219	2,204	2,178	+0.7	+1.2	+2.4	2,197	2,172	2,189	1,909	+15.1
333-9	Nonferrous and other primary metals.....	11,687	11,707	11,626	-0.2	+0.7	+2.9	11,336	11,549	11,572	9,092	+24.7
34	Fabricated metal products.....	28,632	28,679	28,911	-0.2	-0.8	-0.2	28,617	28,870	29,145	29,393	-2.6
35	Machinery, except electrical.....	59,244	58,901	57,538	+0.6	+2.4	+1.2	58,994	59,109	57,452	51,261	+15.1
351	Engines and turbines.....	5,250	5,083	5,184	+3.3	-1.9	0.0	5,289	5,112	5,079	5,311	-4
353	Construction, mining, and material handling equipment.....	7,870	7,806	7,659	+0.8	+1.9	+0.5	7,713	7,656	7,591	6,550	+17.8
354	Metalworking machinery.....	4,264	4,182	4,081	+2.0	+2.5	+2.9	4,477	4,400	4,253	3,017	+48.4
357	Office and computing machines.....	13,730	14,272	13,894	-3.8	+2.7	+0.5	13,730	14,617	14,091	14,084	-2.5
36	Electrical machinery.....	92,365	93,197	93,303	-0.9	-0.1	0.0	92,515	92,802	93,650	91,568	+1.0
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,852	6,932	6,689	-1.2	+3.6	+1.6	6,852	6,955	6,686	6,453	+6.2
366	Communication equipment.....	64,430	65,253	65,453	-1.3	-0.3	-0.1	64,430	64,494	65,125	65,943	-2.3
367	Electronic components.....	15,541	15,452	15,676	+0.6	-1.4	-0.5	15,386	15,567	16,225	13,963	+10.2
364,9	Other electrical machinery.....	4,533	4,563	4,517	-0.7	+1.0	-0.1	4,669	4,664	4,587	3,997	+16.8
37	Transportation equipment.....	199,440	198,019	193,995	+0.7	+2.1	+1.0	197,556	195,323	193,437	168,035	+17.6
372,6	Aircraft, missiles, and parts.....	165,077	162,950	159,569	+1.3	+2.1	+1.3	163,342	160,722	158,322	138,526	+17.9
3731,95	Shipbuilding and military tank vehicles.....	23,113	24,104	23,547	-4.1	+2.4	-1.3	23,140	23,664	24,245	19,051	+21.5
38	Instruments and related products.....	13,707	13,812	13,948	-0.8	-1.0	+0.1	13,768	13,948	14,113	13,576	+1.4
381-4	Scientific and engineering instruments.....	12,756	12,904	13,031	-1.1	-1.0	+0.6	12,756	12,984	13,085	12,319	+3.5
24,25, 39	All other durable goods.....	7,368	7,301	7,163	+0.9	+1.9	-2.7	7,369	7,745	7,846	7,326	+6
	Nondurable goods industries.....	20,892	20,738	20,384	+0.7	+1.7	+0.9	20,915	20,984	21,072	20,145	+3.8
	Market categories:											
	Home goods and apparel.....	8,304	8,121	8,024	+2.3	+1.2	-3.2	8,497	8,797	8,941	8,611	-1.3
	Consumer staples.....	886	883	835	+0.3	+5.7	+18.4	859	877	823	634	+35.5
	Equipment and defense products, except automotive.....	271,687	272,590	269,814	-0.3	+1.0	+1.0	269,907	269,708	268,943	244,234	+10.5
	Automotive equipment.....	8,786	8,715	8,878	+0.8	-1.8	0.0	8,610	8,687	8,869	9,318	-7.6
	Construction materials, supplies and intermediate products.....	15,438	15,494	15,435	-0.4	+0.4	-0.3	15,379	15,633	15,589	14,634	+5.1
	Other materials, supplies, and intermediate products.....	147,943	146,027	143,550	+1.3	+1.7	+0.5	146,755	145,743	144,451	130,654	+12.3
	Supplementary series: <sup>2</sup>											
	Capital goods industries.....	330,280	329,659	324,263	+0.2	+1.7	+0.8	328,458	326,563	323,351	292,868	+12.2
	Nondefense.....	167,625	165,208	158,814	+1.5	+4.0	+2.7	167,538	165,376	158,731	132,703	+26.3
	Excluding aircraft and parts.....	86,677	86,229	84,047	+0.5	+2.6	+1.4	86,590	86,397	83,964	76,571	+13.1
	Defense.....	162,655	164,451	165,449	-1.1	-0.6	-1.0	160,920	161,187	164,620	160,165	+5
	Household durable goods industries.....	5,975	5,817	5,720	+2.7	+1.7	-2.8	6,027	6,266	6,377	6,148	-2.0

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)													
SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>				Percent change Sept. 88/87P	
		End of month			Percent change			End of month					
		Sept. 1988P	Aug. 1988P	July 1988	Aug.- Sept.P	July- Aug.P	June- July	Sept. 1988P	Aug. 1988P	July 1988	Sept. 1987		
	All manufacturing industries.....	347,881	345,798	343,788	+0.6	+0.6	+0.5	346,406	346,830	344,304	322,794	+7.3	
	Manufacturing industries with unfilled orders.....	240,881	238,953	237,220	+0.8	+0.7	+0.6	240,791	240,748	239,098	222,340	+8.3	
	Durable goods industries.....	228,357	226,600	225,467	+0.8	+0.5	+0.7	227,894	227,521	226,096	211,070	+8.0	
	With unfilled orders.....	210,666	208,849	207,446	+0.9	+0.7	+0.5	210,683	210,245	208,804	194,679	+8.2	
32	Stone, clay, and glass products.....	7,331	7,293	7,276	+0.5	+0.2	+1.1	7,170	7,267	7,368	6,986	+2.6	
33	Primary metals.....	19,576	19,246	18,958	+1.7	+1.5	+1.2	19,558	19,264	19,055	17,326	+12.9	
331	Blast furnaces, steel mills.....	9,539	9,351	9,206	+2.0	+1.6	+2.0	9,634	9,462	9,313	8,159	+18.1	
332	Iron and steel foundries.....	1,268	1,297	1,231	-2.2	+5.4	-0.6	1,243	1,248	1,219	1,207	+3.0	
333-9	Nonferrous and other primary metals.....	8,769	8,598	8,521	+2.0	+0.9	+0.7	8,681	8,554	8,523	7,960	+9.1	
34	Fabricated metal products.....	23,542	23,266	22,928	+1.2	+1.5	+0.4	23,298	23,141	22,906	22,081	+5.5	
35	Machinery, except electrical.....	45,939	45,123	44,391	+1.8	+1.6	+1.0	45,463	45,293	44,509	40,638	+11.9	
351	Engines and turbines.....	3,000	2,942	2,889	+2.0	+1.8	0.0	3,030	3,003	2,951	2,665	+13.7	
353	Construction, mining, and material handling equipment.....	7,271	7,238	7,178	+0.5	+0.8	+1.5	7,198	7,222	7,081	6,426	+12.0	
354	Metalworking machinery.....	3,179	3,073	2,803	+3.4	+9.6	+0.9	3,147	3,111	2,830	2,689	+17.0	
357	Office and computing machines.....	11,838	11,610	11,527	+2.0	+0.7	+2.0	11,720	11,838	11,674	10,211	+14.8	
36	Electrical machinery.....	39,932	39,791	39,358	+0.4	+1.1	-0.3	39,974	40,268	39,879	38,739	+3.2	
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,099	5,043	5,004	+1.1	+0.8	-0.2	5,082	5,075	5,038	4,879	+4.2	
363	Household appliances.....	2,795	2,818	2,775	-0.8	+1.5	-0.5	2,627	2,744	2,808	2,596	+1.2	
365	Radio and TV.....	1,377	1,371	1,407	+0.4	-2.6	+6.1	1,405	1,469	1,513	1,527	-8.0	
366	Communication equipment.....	16,116	16,143	15,853	-0.2	+1.8	-2.2	16,254	16,382	16,039	16,392	-8	
367	Electronic components.....	8,479	8,407	8,292	+0.9	+1.4	+1.9	8,479	8,516	8,356	7,550	+12.3	
364,9	Other electrical machinery.....	6,066	6,009	6,027	+0.9	-0.3	+0.3	6,127	6,082	6,125	5,795	+5.7	
37	Transportation equipment.....	60,843	60,621	61,206	+0.4	-1.0	+0.4	61,493	61,031	60,971	55,829	+10.1	
371	Motor vehicles and parts.....	11,570	11,618	11,548	-0.4	+0.6	-0.2	11,639	11,576	11,031	11,358	+2.5	
372,6	Aircraft, missiles, and parts.....	45,027	44,799	45,434	+0.5	-1.4	+0.3	45,591	45,307	45,787	40,652	+12.1	
3731,95	Shipbuilding and military tank vehicles.....	2,146	2,166	2,102	-0.9	+3.0	+2.4	2,189	2,161	2,136	1,977	+10.7	
38	Instruments and related products.....	13,520	13,455	13,275	+0.5	+1.4	+1.1	13,502	13,575	13,382	12,638	+6.8	
381-4	Scientific and engineering instruments.....	9,892	9,882	9,768	+0.1	+1.2	+0.8	9,892	9,904	9,796	9,299	+6.4	
386	Photographic goods.....	3,039	2,990	2,932	+1.6	+2.0	+2.6	3,009	3,066	2,987	2,654	+13.4	
24,25, 39	All other durable goods.....	17,674	17,805	18,075	-0.7	-1.5	+1.9	17,436	17,682	18,026	16,833	+3.6	
	Nondurable goods industries.....	119,524	119,198	118,321	+0.3	+0.7	+0.3	118,512	119,309	118,208	111,724	+6.1	
	With unfilled orders.....	30,215	30,104	29,774	+0.4	+1.1	+1.2	30,108	30,503	30,294	27,661	+8.8	
20	Food and kindred products.....	25,789	25,688	25,548	+0.4	+0.5	-0.5	26,027	25,860	24,728	24,867	+4.7	
202	Dairy products.....	2,273	2,249	2,275	+1.1	-1.1	+2.5	2,250	2,282	2,305	2,179	+3.3	
208	Beverages.....	4,463	4,412	4,396	+1.2	+0.4	+1.0	4,374	4,317	4,338	4,518	-3.2	
203-6,9	All other foods.....	14,711	14,708	14,616	0.0	+0.6	-0.2	15,447	15,213	14,037	14,795	+4.4	
21	Tobacco products.....	5,746	5,848	5,784	-1.7	+1.1	+1.4	5,574	5,425	5,286	5,613	-7	
22	Textile mill products.....	7,481	7,737	7,742	-3.3	-0.1	+2.3	7,331	7,735	7,850	7,333	0	
221-4,6, 8,9	Broadwoven fabrics.....	4,385	4,527	4,518	-3.1	+0.2	+1.6	4,297	4,489	4,563	4,280	+4	
26	Paper and allied products.....	11,819	11,647	11,530	+1.5	+1.0	+0.8	11,548	11,570	11,545	10,768	+7.2	
261-3,6	Pulp, paper etc.....	4,197	4,116	4,038	+2.0	+1.9	+1.5	4,072	4,050	4,027	3,711	+9.7	
265	Paperboard containers.....	3,262	3,221	3,233	+1.3	-0.4	+1.2	3,197	3,209	3,217	2,907	+10.0	
264	All other paper products.....	4,360	4,310	4,259	+1.2	+1.2	-0.1	4,279	4,311	4,301	4,150	+3.1	
28	Chemicals and allied products.....	26,727	26,544	26,154	+0.7	+1.5	+0.8	26,252	26,461	26,358	23,933	+9.7	
281,6	Industrial chemicals, except pigments.....	6,939	6,875	6,830	+0.9	+0.7	+1.6	6,939	6,910	6,893	6,363	+9.1	
283,4	Drugs, soaps, and toiletries.....	9,512	9,468	9,348	+0.5	+1.3	+1.2	9,227	9,541	9,506	8,330	+10.8	
282,9	Other chemical products.....	6,721	6,643	6,481	+1.2	+2.5	+0.3	6,587	6,559	6,553	5,833	+12.9	
29	Petroleum and coal products.....	9,408	9,518	9,839	-1.2	-3.3	-1.8	9,372	9,499	9,817	10,105	-7.3	
30	Rubber and plastics products.....	10,080	9,847	9,688	+2.4	+1.6	+1.7	9,845	9,798	9,708	8,752	+12.5	
23,27, 31	All other nondurable goods.....	22,474	22,369	22,036	+0.5	+1.5	-0.2	22,563	22,961	22,916	20,353	+10.9	
	Market categories:												
	Home goods and apparel.....	26,587	26,662	26,544	-0.3	+0.4	+0.3	26,134	26,989	27,427	25,509	+2.5	
	Consumer staples.....	44,242	44,157	43,793	+0.2	+0.8	+0.7	44,380	44,290	42,975	42,013	+5.6	
	Equipment and defense products, except automotive.....	101,954	101,110	100,716	+0.8	+0.4	-0.1	101,894	101,562	101,109	93,624	+8.8	
	Automotive equipment.....	14,409	14,411	14,414	0.0	0.0	+0.7	14,400	14,297	13,765	13,884	+3.7	
	Construction materials, supplies and intermediate products.....	25,164	25,142	25,202	+0.1	-0.2	+1.8	24,669	24,850	25,079	23,305	+5.9	
	Other materials, supplies, and intermediate products.....	135,525	134,316	133,119	+0.9	+0.9	+0.8	134,929	134,842	133,949	124,459	+8.4	
	Supplementary series: <sup>2</sup>												
	Capital goods industries.....	117,741	116,653	116,243	+0.9	+0.4	+0.2	118,132	117,720	117,188	107,992	+9.4	
	Nondefense.....	82,913	82,582	81,444	+0.4	+1.4	+0.9	82,879	83,210	81,813	74,901	+10.7	
	Excluding aircraft and parts.....	63,200	62,185	61,357	+1.6	+1.3	+0.7	62,852	62,617	61,847	57,212	+9.9	
	Defense.....	34,828	34,071	34,799	+2.2	-2.1	-1.5	35,253	34,510	35,375	33,091	+6.5	
	Household durable goods industries.....	12,670	12,620	12,653	+0.4	-0.3	+0.3	12,496	12,804	13,020	12,590	-7	

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)													
SIC Code	Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>				Percent change	
		End of month			Percent change			End of month					
		Sept. 1988 <sup>P</sup>	Aug. 1988 <sup>T</sup>	July 1988	Aug.- Sept. <sup>P</sup>	July- Aug. <sup>T</sup>	June- July	Sept. 1988 <sup>P</sup>	Aug. 1988 <sup>T</sup>	July 1988	Sept. 1987	Sept. 88/87 <sup>P</sup>	
MATERIALS AND SUPPLIES													
	All manufacturing industries.....	112,653	111,929	110,488	+0.6	+1.3	+0.6	112,032	111,767	110,507	103,543	+8.2	
	Durable goods industries.....	65,379	64,998	64,138	+0.6	+1.3	+1.0	65,520	65,354	64,304	60,371	+8.5	
32	Stone, clay, and glass products.....	2,401	2,398	2,406	+0.1	-0.3	+0.6	2,398	2,423	2,454	2,246	+6.8	
33	Primary metals.....	6,182	6,132	6,073	+0.8	+1.0	+1.1	6,247	6,152	6,060	5,357	+16.6	
34	Pabricated metal products.....	8,444	8,578	8,370	-1.6	+2.5	+0.2	8,435	8,618	8,442	7,898	+6.8	
35	Machinery, except electrical.....	13,108	12,757	12,521	+2.8	+1.9	+2.0	13,047	12,851	12,625	11,475	+13.7	
36	Electrical machinery.....	10,831	10,713	10,484	+1.1	+2.2	0.0	10,854	10,848	10,728	10,224	+6.2	
37	Transportation equipment.....	12,993	12,988	12,745	0.0	+1.9	+0.2	13,077	13,027	12,464	12,512	+4.5	
38	Instruments and related products.....	4,588	4,519	4,405	+1.5	+2.6	+0.6	4,604	4,584	4,473	4,179	+10.2	
24,25, 39	All other durable goods.....	6,832	6,913	7,134	-1.2	-3.1	+3.1	6,858	6,851	7,058	6,480	+5.8	
	Nondurable goods industries.....	47,274	46,931	46,350	+0.7	+1.3	+0.2	46,512	46,413	46,203	43,172	+7.7	
20	Food and kindred products.....	9,474	9,275	9,028	+2.1	+2.7	-2.8	9,018	8,873	8,736	8,475	+6.4	
21	Tobacco products.....	4,381	4,425	4,416	-1.0	+0.2	+1.4	4,235	4,107	4,072	4,636	-8.6	
22	Textile mill products.....	2,295	2,343	2,361	-2.0	-0.8	+3.1	2,230	2,329	2,411	2,171	+2.7	
26	Paper and allied products.....	6,511	6,447	6,331	+1.0	+1.8	+0.7	6,430	6,395	6,320	5,742	+12.0	
28	Chemicals and allied products.....	9,504	9,492	9,292	+0.1	+2.2	-0.4	9,531	9,570	9,511	8,537	+11.6	
29	Petroleum and coal products.....	2,344	2,369	2,428	-1.1	-2.4	-2.5	2,272	2,334	2,368	2,497	-9.0	
30	Rubber and plastics products.....	4,087	3,958	3,898	+3.3	+1.5	+3.2	4,007	3,923	3,910	3,331	+20.3	
23,27, 31	All other nondurable goods.....	8,678	8,622	8,596	+0.6	+0.3	+1.9	8,789	8,882	8,875	7,783	+12.9	
WORK IN PROCESS													
	All manufacturing industries.....	123,342	123,090	123,475	+0.2	-0.3	+0.3	124,265	124,079	123,737	116,573	+6.6	
	Durable goods industries.....	104,477	103,927	104,257	+0.5	-0.3	+0.1	105,411	104,881	104,508	98,116	+7.4	
32	Stone, clay, and glass products.....	1,107	1,117	1,118	-0.9	-0.1	-1.1	1,098	1,122	1,129	1,020	+7.6	
33	Primary metals.....	7,935	7,759	7,615	+2.3	+1.9	+0.5	7,948	7,815	7,673	6,875	+15.6	
34	Fabricated metal products.....	8,296	8,159	7,998	+1.7	+2.0	+0.7	8,313	8,100	7,979	7,841	+6.0	
35	Machinery, except electrical.....	18,030	17,738	17,607	+1.6	+0.7	-0.7	18,127	17,868	17,488	17,259	+5.0	
36	Electrical machinery.....	19,655	19,672	19,618	-0.1	+0.3	-0.4	19,834	19,999	19,762	19,778	+3	
37	Transportation equipment.....	40,665	40,655	41,484	0.0	-2.0	+0.7	41,335	41,103	41,649	36,869	+12.1	
38	Instruments and related products.....	5,277	5,282	5,265	-0.1	+0.3	+2.7	5,285	5,306	5,277	4,954	+6.7	
24,25, 39	All other durable goods.....	3,512	3,545	3,552	-0.9	-0.2	-4.6	3,471	3,568	3,551	3,520	-1.4	
	Nondurable goods industries.....	18,865	19,163	19,218	-1.6	-0.3	+0.9	18,854	19,198	19,229	18,457	+2.2	
20	Food and kindred products.....	2,503	2,578	2,690	-2.9	-4.2	+1.8	2,478	2,575	2,638	2,591	-4.4	
21	Tobacco products.....	253	268	252	-5.6	+6.3	+0.8	285	211	179	124	+129.8	
22	Textile mill products.....	2,253	2,325	2,379	-3.1	-2.3	+1.9	2,232	2,304	2,370	2,240	-4	
26	Paper and allied products.....	1,313	1,296	1,301	+1.3	-0.4	+3.2	1,313	1,321	1,318	1,259	+4.3	
28	Chemicals and allied products.....	4,097	4,192	4,147	-2.3	+1.1	+2.6	4,162	4,247	4,228	3,909	+6.5	
29	Petroleum and coal products.....	2,478	2,476	2,530	+0.1	-2.1	+0.9	2,417	2,478	2,551	2,576	-6.2	
30	Rubber and plastics products.....	1,386	1,421	1,400	-2.5	+1.5	-0.6	1,427	1,447	1,389	1,284	+11.1	
23,27, 31	All other nondurable goods.....	4,582	4,607	4,519	-0.5	+1.9	-1.8	4,540	4,615	4,556	4,474	+1.5	
FINISHED GOODS													
	All manufacturing industries.....	111,886	110,779	109,825	+1.0	+0.9	+0.7	110,109	110,984	110,060	102,678	+7.2	
	Durable goods industries.....	58,501	57,675	57,072	+1.4	+1.1	+1.3	56,963	57,286	57,284	52,583	+8.3	
32	Stone, clay, and glass products.....	3,823	3,778	3,752	+1.2	+0.7	+2.1	3,674	3,722	3,785	3,720	-1.2	
33	Primary metals.....	5,459	5,355	5,270	+1.9	+1.6	+2.4	5,363	5,297	5,322	5,094	+5.3	
34	Pabricated metal products.....	6,802	6,529	6,560	+4.2	-0.5	+0.3	6,550	6,423	6,485	6,342	+3.3	
35	Machinery, except electrical.....	14,801	14,628	14,263	+1.2	+2.6	+2.3	14,289	14,574	14,396	11,904	+20.0	
36	Electrical machinery.....	9,446	9,406	9,256	+0.4	+1.6	-0.8	9,286	9,421	9,389	8,737	+6.3	
37	Transportation equipment.....	7,185	6,978	6,977	+3.0	0.0	-0.5	7,081	6,901	6,858	6,448	+9.8	
38	Instruments and related products.....	3,655	3,654	3,605	0.0	+1.4	-0.4	3,613	3,685	3,632	3,505	+3.1	
24,25, 39	All other durable goods.....	7,330	7,347	7,389	-0.2	-0.6	+4.0	7,107	7,263	7,417	6,833	+4.0	
	Nondurable goods industries.....	53,385	53,104	52,753	+0.5	+0.7	+0.2	53,146	53,698	52,776	50,095	+6.1	
20	Food and kindred products.....	13,812	13,835	13,830	-0.2	0.0	+0.7	14,531	14,412	13,354	13,801	+5.3	
21	Tobacco products.....	1,112	1,155	1,116	-3.7	+3.5	+1.5	1,054	1,107	1,035	853	+23.6	
22	Textile mill products.....	2,933	3,069	3,002	-4.4	+2.2	+1.9	2,869	3,102	3,069	2,922	-1.8	
26	Paper and allied products.....	3,995	3,904	3,898	+2.3	+0.2	+0.2	3,805	3,854	3,907	3,767	+1.0	
28	Chemicals and allied products.....	13,126	12,860	12,715	+2.1	+1.1	+1.1	12,559	12,644	12,619	11,487	+9.3	
29	Petroleum and coal products.....	4,586	4,673	4,881	-1.9	-4.3	-2.9	4,683	4,687	4,898	5,032	-6.9	
30	Rubber and plastics products.....	4,607	4,468	4,390	+3.1	+1.8	+1.1	4,411	4,428	4,409	4,137	+6.6	
23,27, 31	All other nondurable goods.....	9,214	9,140	8,921	+0.8	+2.5	-1.4	9,234	9,464	9,485	8,096	+14.1	

<sup>P</sup>Preliminary.<sup>T</sup>Revised.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio <sup>1</sup>			
		Sept. 1988 <sup>P</sup>	Aug. 1988 <sup>F</sup>	July 1988	June 1988	Sept. 1988 <sup>P</sup>	Aug. 1988 <sup>F</sup>	July 1988	June 1988
	All manufacturing industries.....	1.57	1.56	1.59	1.56	3.66	3.68	3.73	3.67
	Durable goods industries.....	1.94	1.92	1.99	1.92	4.43	4.46	4.55	4.44
32	Stone, clay, and glass products.....	1.35	1.34	1.42	1.36	1.18	1.18	1.24	1.17
33	Primary metals.....	1.60	1.61	1.62	1.54	2.08	2.11	2.18	2.05
34	Fabricated metal products.....	1.95	1.96	1.99	1.84	2.61	2.65	2.79	2.60
35	Machinery, except electrical.....	2.16	2.10	2.14	2.09	2.93	2.89	2.92	2.85
36	Electrical machinery.....	2.07	2.08	2.07	2.11	4.79	4.87	4.91	4.98
37	Transportation equipment.....	2.04	1.98	2.25	2.08	11.27	11.29	12.12	11.80
38	Instruments and related products.....	2.21	2.22	2.11	2.16	2.24	2.28	2.22	2.29
	Nondurable goods industries.....	1.15	1.15	1.14	1.15	0.79	0.79	0.79	0.79
20	Food and kindred products.....	0.85	0.85	0.84	0.85	(X)	(X)	(X)	(X)
21	Tobacco products.....	2.83	3.17	3.48	3.46	(X)	(X)	(X)	(X)
22	Textile mill products.....	1.48	1.56	1.57	1.51	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products.....	1.11	1.10	1.10	1.10	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products.....	1.33	1.28	1.28	1.30	(X)	(X)	(X)	(X)
29	Petroleum and coal products.....	0.92	0.90	0.91	0.94	(X)	(X)	(X)	(X)
30	Rubber and plastics products.....	1.28	1.25	1.30	1.27	(X)	(X)	(X)	(X)

<sup>P</sup>Preliminary. <sup>F</sup>Revised. (X) Not applicable. (NA) Not available.<sup>1</sup>Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

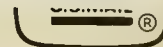
SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Sept. 1987	All Septs. 1983-1987	Sept. 1987-Aug. 1988	Year ago Sept. 1987	All Septs. 1983-1987	Sept. 1987-Aug. 1988	Year ago Sept. 1987	All Septs. 1983-1987	Sept. 1987-Aug. 1988	Year ago Sept. 1987	All Septs. 1983-1987	Sept. 1987-Aug. 1988
	All manufacturing industries.....	0.5	0.2	0.2	0.8	0.3	0.3	0.1	0.1	0.1	0.0	0.1	0.1
	Durable goods industries.....	0.7	0.4	0.2	1.0	0.4	0.4	0.1	0.1	0.1	0.0	0.2	0.1
32	Stone, clay, and glass products.....	1.1	0.7	0.7	1.1	0.5	0.5	0.2	0.5	0.5	0.2	0.6	0.2
33	Primary metals.....	2.8	1.0	0.7	4.8	1.6	1.4	1.0	0.4	0.4	0.0	0.1	0.4
34	Fabricated metal products.....	0.1	0.5	0.4	0.3	0.8	0.8	0.1	0.4	0.3	0.0	0.2	0.1
35	Machinery, except electrical.....	0.9	0.6	0.8	0.4	0.8	1.1	0.1	0.2	0.3	0.2	0.5	0.2
36	Electrical machinery.....	0.9	0.5	0.5	1.8	0.7	0.8	0.2	0.1	0.1	0.0	0.1	0.2
37	Transportation equipment.....	0.0	0.1	0.2	0.3	0.6	0.4	0.1	0.1	0.1	0.0	0.1	0.1
38	Instruments and related products.....	1.9	0.9	0.9	2.2	1.2	1.1	0.2	0.2	0.3	0.0	0.1	0.2
	Nondurable goods industries.....	0.5	0.2	0.2	0.4	0.2	0.3	0.2	0.7	0.6	0.1	0.1	0.1
20	Food and kindred products.....	1.7	0.9	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2	0.3
21	Tobacco products.....	0.0	0.1	1.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.1
22	Textile mill products.....	0.3	0.9	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.7	0.5
26	Paper and allied products.....	0.5	0.4	0.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.1	0.2
28	Chemicals and allied products.....	0.0	0.7	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.3	0.2
29	Petroleum and coal products.....	0.2	0.3	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.5
30	Rubber and plastics products.....	0.1	1.6	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1	0.2
	Capital goods industries:												
	Nondefense.....	1.0	0.6	0.5	1.3	1.0	0.8	0.0	0.1	0.1	0.1	0.3	0.1
	Defense.....	0.0	0.3	0.7	0.1	2.3	1.6	0.0	0.1	0.1	0.0	0.2	0.2

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

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